This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (currently amended) An iris camera module comprising: 1 an image pickup optical system for picking up an image of 2 3 the iris; and 4 a target optical system for displaying a target for the eye; and 5 a target screen where the target is displayed, 6 wherein the target optical system and the image pickup 7 optical system are integrated into a single unit. 8 1 2. (currently amended) An iris camera module according to 2 claim 1, wherein the image pickup optical system includes: an infrared illuminating section for irradiating an 3 infrared ray onto the eye; 4 an image pickup section for picking up the image of the 5 iris by detecting the infrared ray reflected on the 6 7 eye; and an image pickup optical section for guiding the infrared 8 ray reflected on the eye to the image pickup 9 section, wherein the target optical system includes: 10 a target screen where the target is displayed; and 11 a target optical section for guiding the image of the 12 13 target on the target screen to the eye.
 - 3. (original) An iris camera module according to claim 2, wherein the image pickup optical section and the target optical section include a common half mirror for reflecting to guide the infrared ray reflected on the eye to the image pickup section and guiding the image of the target on the target screen to the eye without reflecting the image.

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- 4. (original) An iris camera module according to claim 2, wherein the image pickup optical section and the target optical section include a common half mirror for guiding the infrared ray reflected on the eye to the image pickup section without reflecting the infrared ray and reflecting to guide the image of the target on the target screen to the eye.
- 5. (original) An iris camera module according to claim 1,
 wherein the target optical system includes a screen
 illuminating section for illuminating the target screen.
- 1 6. (original) An iris camera module according to claim 2, 2 wherein the image pickup section includes: an image pickup element for picking up the image of the 3 4 iris: a storage for storing a reference iris information; and 5 a comparator section for comparing an information based 6 on the image of the iris picked up by the image 7 8 pickup section with the reference iris information 9 to output the comparison result as to whether
- 7. (original) An iris camera module according to claim 6,
 wherein the reference iris information can be overwritten only
 a predetermined number of times in the storage.
- 8. (original) An iris camera module according to claim 2,wherein the image pickup section includes:
- an image pickup element for picking up the image of the
 iris; and
- a connector section for coupling an external circuit
 detachable from the image pickup section,
- 7 wherein the external circuit includes:

matching is obtained.

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- a storage for storing a reference iris information; and
 a comparator section for comparing an information based
 on the iris picked up by the image pickup section
 with the reference iris information to output the
 comparison result as to whether matching is
 obtained.
 - 9. (previously presented) An iris camera module comprising:
 - an image pickup optical system for picking up an image ofthe iris of a user; and
 - a target optical system including a target screen for
 displaying a target for aligning the eye of the
 user, wherein the target optical system and the
 image pickup optical system are integrated onto a
 common substrate.
 - 1 10. (previously presented) An iris camera module 2 according to claim 9, wherein the image pickup optical system 3 includes:
 - 4 an infrared illuminating section for irradiating an infrared ray onto the eye;
 - an image pickup section for picking up the image of the iris by detecting the infrared ray reflected on the eye; and
- 9 an image pickup optical section for guiding the infrared 10 ray reflected on the eye to the image pickup 11 section,
- and further wherein the target optical system includes:

 a target optical section for guiding the image of
- the target on the target screen to the eye.
- 1 11. (previously presented) An iris camera module2 according to claim 10, wherein the image pickup optical

- section and the target optical section include a common half mirror for reflecting to guide the infrared ray reflected on the eye to the image pickup section and guiding the image of the target on the target screen to the eye without reflecting the image.
- 1 12. (previously presented) An iris camera module
 2 according to claim 10, wherein the image pickup optical
 3 section and the target optical section include a common half
 4 mirror for guiding the infrared ray reflected on the eye to
 5 the image pickup section without reflecting the infrared ray
 6 and reflecting to guide the image of the target on the target
 7 screen to the eye.
- 1 13. (previously presented) An iris camera module
 2 according to claim 9, wherein the target optical system
 3 includes a screen illuminating section for illuminating the
 4 target screen.

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- 14. (previously presented) An iris camera module according to claim 10, wherein the image pickup section further includes:
- an image pickup element for picking up the image of the iris;
- a storage for storing a reference iris information; and
 comparator section for comparing an information based
 on the image of the iris picked up by the image
 pickup section with the reference iris information
 to output the comparison result as to whether
 matching is obtained.
 - 15. (previously presented) An iris camera module according to claim 14, wherein the reference iris information can be overwritten only a predetermined number of times in the

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1	16. (previously presented) An iris camera module
2	according to claim 10, wherein the image pickup section
3	further includes:
4	an image pickup element for picking up the image of the
5	iris; and
6	a connector section for coupling an external circuit
7	detachable from the image pickup section,
8	and wherein the external circuit includes:
9	a storage for storing a reference iris information; and
10	a comparator section for comparing an information based
11	on the iris picked up by the image pickup section
12	with the reference iris information to output the
13	comparison result as to whether matching is
14	obtained.
1	17. (previously presented) An iris camera module
2	comprising:
3	an image pickup optical system for picking up an image of
4	the iris of a user;
5	a target optical system for displaying a target for
6	aligning the eye of the user;
7	a storage for storing a reference iris information; and
8	a comparator section for comparing an information based
9	on the image of the iris picked up by the image
10	pickup section with the reference iris information

18. (previously presented) An iris camera module comprising:

matching is obtained, wherein

to output the comparison result as to whether

the reference iris information can be overwritten only a predetermined number of times in the storage.

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3 an image pickup optical system for picking up an image of the iris of a user; 4 a target optical system for displaying a target for 5 aligning the eye of the user; 6 a storage for storing a reference iris information; and 7 a comparator section for comparing an information based 8 9 on the image of the iris picked up by the image pickup section with the reference iris information 10 11 to output the comparison result as to whether 12 matching is obtained, wherein the reference iris information cannot be overwritten. 13 1 19. (previously presented) An iris camera module 2 comprising: 3 an image pickup optical system for picking up an image of the iris of a user, said image optical system 4 5 including: an illuminating section for irradiating a ray onto - 6 7 the eye; 8 an image pickup section for picking up the image of 9 the iris by detecting the ray reflected on the 10 eye; and 11 an image pickup optical section for guiding the ray 12 reflected on the eye to the image pickup 13 section; 14 a target optical system for displaying a target for 15 aligning the eye of the user, said target optical 16 system including: 17 a target screen; 18 a target optical section for guiding the image of 19 the target on the target screen to the eye; and 20 a screen illuminating section for illuminating the 21 target screen with either ambient light or 22 artificial light;

23 a storage for storing a reference iris information; and a comparator section for comparing an information based 24 on the image of the iris picked up by the image 25 pickup section with the reference iris information 26 to output the comparison result as to whether 27 28 matching is obtained, wherein 29 the reference iris information can be overwritten only a 30 predetermined number of times in the storage.

- 1 20. (previously presented) An iris camera module
 2 according to claim 19, wherein the image pickup optical
 3 section and the target optical section include a common half
 4 mirror for reflecting to guide the infrared ray reflected on
 5 the eye to the image pickup section and guiding the image of
 6 the target on the target screen to the eye without reflecting
 7 the image.
- 1 21. (previously presented) An iris camera module
 2 according to claim 19, wherein the image pickup optical
 3 section and the target optical section include a common half
 4 mirror for guiding the infrared ray reflected on the eye to
 5 the image pickup section without reflecting the infrared ray
 6 and reflecting to guide the image of the target on the target
 7 screen to the eye.

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- a screen illuminating section different from said eye
 illuminating section for illuminating the target
 screen;
 wherein the target optical system and the image pickup
- wherein the target optical system and the image pickupoptical system are integrated into a single unit.
- 1 23. (new) An iris camera module according to claim 22, 2 wherein the image pickup optical system includes:
- an image pickup section for picking up the image of the iris by detecting the light ray reflected on the eye; and
- an image pickup optical section for guiding the light ray
 reflected on the eye to the image pickup section,
 wherein the target optical system includes a target
 optical section for guiding the image of the target
 on the target screen to the eye.
- 1 24. (new) An iris camera module according to claim 23,
 2 wherein the image pickup optical section and the target
 3 optical section include a common half mirror for reflecting to
 4 guide the light ray reflected on the eye to the image pickup
 5 section and guiding the image of the target on the target
 6 screen to the eye without reflecting the image.
- 1 25. (new) An iris camera module according to claim 23, 2 wherein the image pickup optical section and the target 3 optical section include a common half mirror for guiding the 4 light ray reflected on the eye to the image pickup section 5 without reflecting the light ray and reflecting to guide the 6 image of the target on the target screen to the eye.
- 26. (new) An iris camera module according to claim 23,wherein the image pickup section includes:
- 3 an image pickup element for picking up the image of the

4 iris; a storage for storing a reference iris information; and 5 a comparator section for comparing an information based 6 on the image of the iris picked up by the image 7 pickup section with the reference iris information 8 9 to output the comparison result as to whether 10 matching is obtained. 27. (new) An iris camera module according to claim 26, 1 2 wherein the reference iris information can be overwritten only 3 a predetermined number of times in the storage. 1 28. (new) An iris camera module according to claim 23, 2 wherein the image pickup section includes: 3 an image pickup element for picking up the image of the 4 iris; and 5 a connector section for coupling an external circuit detachable from the image pickup section, 6 7 wherein the external circuit includes: 8 a storage for storing a reference iris information; and 9 a comparator section for comparing an information based on the iris picked up by the image pickup section 10 11 with the reference iris information to output the 12 comparison result as to whether matching is 13 obtained. 1 29. (new) An iris camera module comprising: 2 an eye illuminating section for irradiating a light ray 3 onto the eye; 4 an image pickup section including a sensor for picking up 5 an image of an iris by detecting the light ray 6 reflected on the eye; 7 an image pickup optical section for guiding the light ray reflected on the eye to the image pickup section; 8

- 9 a target optical system for displaying a target for the 10 eye; and
- an eyepiece for transmitting the target image to the eye and for transmitting the image of the iris to the image pickup optical system;
- wherein the target optical system and the image pickup optical system are integrated into a single unit.
- 1 30. (new) The iris camera module of claim 29, further 2 comprising a target screen where the target is displayed;
- 1 31. (new) The iris camera module of claim 30, further 2 comprising a condensing lens for gathering external light for 3 illuminating the target screen.
- 1 32. (new) The iris camera module of claim 30, further 2 comprising a screen illuminating section for illuminating the 3 target screen.
- 1 33. (new) The iris camera module according to claim 29,
 2 wherein the image pickup optical section and the target
 3 optical section include a common half mirror for reflecting to
 4 guide the light ray reflected on the eye to the image pickup
 5 section and guiding the image of the target on the target
 6 screen to the eye without reflecting the image.
- 1 34. (new) An iris camera module according to claim 29
 2 wherein the image pickup optical section and the target
 3 optical section include a common half mirror for guiding the
 4 light ray reflected on the eye to the image pickup section
 5 without reflecting the light ray and reflecting to guide the
 6 image of the target on the target screen to the eye.
 - 35. (new) An iris camera module comprising:

2 an eye illuminating section for irradiating a light ray 3 onto the eye; 4 an image pickup section including a sensor for picking up 5 an image of an iris by detecting the light ray 6 reflected on the eye; 7 an image pickup optical section including an imaging lens 8 for guiding the light ray reflected on the eye to 9 the image pickup section; 10 a target optical system for displaying a target for the 11 eye; and 12 an eyepiece for transmitting the target image to the eye 13 and for transmitting the image of the iris to the 14 image pickup optical system; 15 wherein the target optical system and the image pickup 16 optical system are integrated into a single unit. 1. 36. (new) An iris camera module comprising: 2 an image pickup optical system for picking up an image of 3 the iris; and 4 a target optical system including a common half mirror 5 for displaying a target for the eye without 6 reflecting the image; 7 wherein the target optical system and the image pickup 8 optical system are integrated into a single unit. 1 37. (new) The Iris camera module of claim 36, further 2 comprising a target optical system including a target screen 3 for displaying a target for the eye. 1 38. (new) The Iris camera module of claim 37, further 2 comprising a screen illuminating for illuminating the target 3 screen.